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## ILPD (Indian Liver Patient Dataset) Data Set

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**Abstract:** This data set contains 10 variables that are age, gender, total Bilirubin, direct Bilirubin, total proteins, albumin, A/G ratio, SGPT, SGOT and Alkphos.

<b>Data Set Characteristics:</b>	Multivariate	<b>Number of Instances:</b>	583	<b>Area:</b>	Life
<b>Attribute Characteristics:</b>	Integer, Real	<b>Number of Attributes:</b>	10	<b>Date Donated</b>	2012-05-21
<b>Associated Tasks:</b>	Classification	<b>Missing Values?</b>	N/A	<b>Number of Web Hits:</b>	10966

### Source:

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### Data Set Information:

This data set contains 416 liver patient records and 167 non liver patient records. The data set was collected from north east of Andhra Pradesh, India. Selector is a class label used to divide into groups (liver patient or not). This data set contains 441 male patient records and 142 female patient records.

### Attribute Information:

1. Age Age of the patient
2. Gender Gender of the patient
3. TB Total Bilirubin
4. DB Direct Bilirubin
5. Alkphos Alkaline Phosphatase
6. Sgpt Alamine Aminotransferase
7. Sgot Aspartate Aminotransferase
8. TP Total Proteins

9. ALB Albumin

10. A/G Ratio Albumin and Globulin Ratio

11. Selector field used to split the data into two sets (labeled by the experts)

### Relevant Papers:

1. Bendi Venkata Ramana, Prof. M. S. Prasad Babu and Prof. N. B. Venkateswarlu, "A Critical Comparative Study of Liver Patients from USA and INDIA: An Exploratory Analysis", International Journal of Computer Science Issues, ISSN :1694-0784, May 2012.
2. Bendi Venkata Ramana, Prof. M. S. Prasad Babu and Prof. N. B. Venkateswarlu, "A Critical Study of Selected Classification Algorithms for Liver Disease Diagnosis", International Journal of Database Management Systems (IJDMS), Vol.3, No.2, ISSN : 0975-5705, PP 101-114, May 2011.

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